



## Control alarms and other auxillary equipment

- Corrosion resistant materials provide long life
- Flexible installation options

### Product Summary

**Description** Designed to indicate “pump on” and “pump off” conditions within a forced cooling system. Select models also indicate flow direction. Up to 2 SPST or SPDT switches are available for control and/or alarm functions. Large dial face provides easy viewing and is magnetically coupled to the flange assembly allowing leak free replacement if damaged.

**Application** For cooling systems with forced oil or water which require “safe” flow rate, “correct” flow direction, on-off control, limit control or alarm triggering.



## QUALITROL® 092 flow indicators

### Control alarms and other auxillary equipment

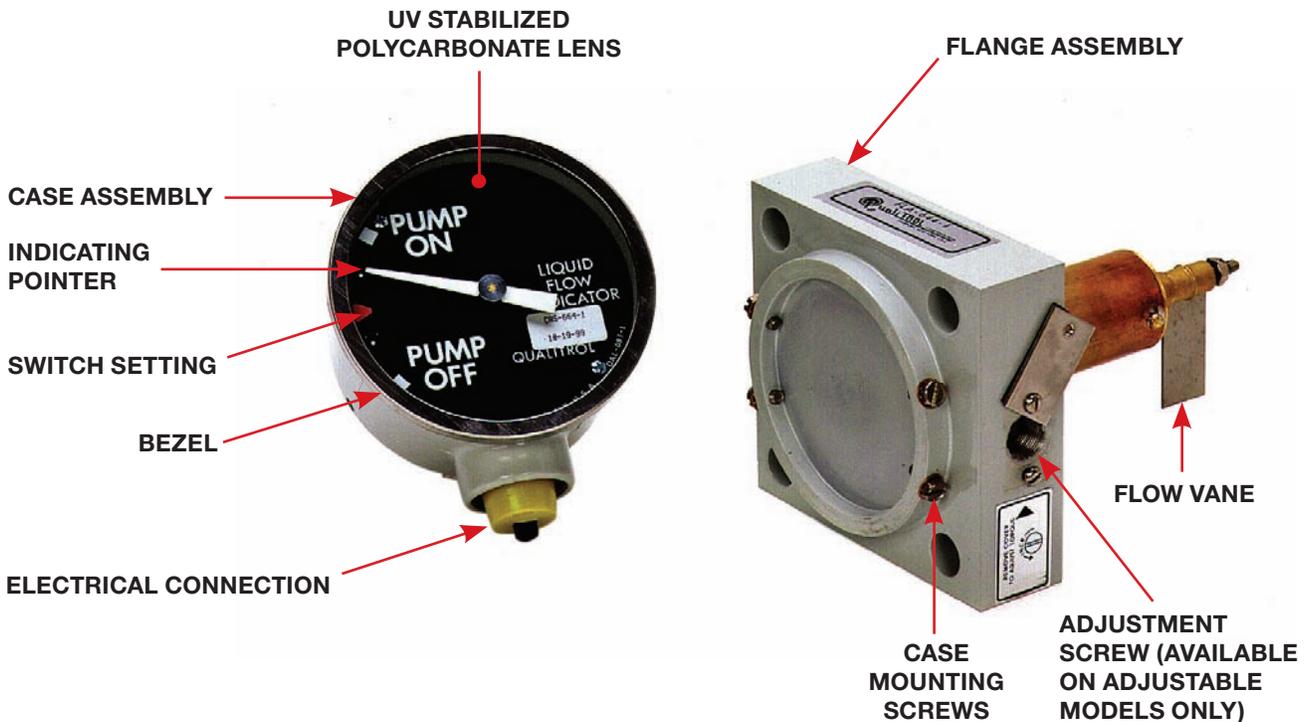
- Provides up to two SPST or SPDT switches for alarm and control functions
- Robust, UL/CSA recognized 15 Amp (@ 120 VAC) switch contacts reset automatically when instrument returns to "Pump Off" state

### Corrosion resistant materials provide long life

- Case constructed of die-cast aluminum with ASA #70 thermosetting powder coat finish
- UV stabilized polycarbonate lens securely fastened in place with stainless steel bezel ring
- A wide variety of electrical connection styles and positions are available for ease of installation and protection against the environment

### Flexible installation options

- Select models are available with an adjustable preload spring to enable field adjustment of the vane torque to determine the correct switch setting
- Can be installed on pipes with inside diameters from 2.00" to 8.00" for a wide range of flow applications
- The two piece design consists of a magnetically coupled dial assembly and flange assembly allowing for easy in-field replacement of dial if damaged





## TECHNICAL SPECIFICATIONS

<b>Mechanical</b>	Case type	Sealed or vented
	Mounting	Bolted flange
	Operating pressure	35 psi maximum
	Flow velocity	100 FPM - 750 FPM
	IP ratings (sealed cases)	Meets IP66 requirements
	IP ratings (vented cases)	Meets IP54 requirements
<b>Dimensions</b>	Dial diameter	3.750" (95.3 mm)
	Support tube diameter	1.375" (34.9 mm)
	Installation pipe diameter	2.0" - 8.0" (50.8 mm - 203.2 mm)
	Vane	0.75" x 1.75" (19.05 mm x 44.45 mm)
<b>Materials</b>	Case	Die-cast aluminum - ASA #70 light grey thermosetting powder coat finish
	Bezel	Stainless steel
	Lens	Clear glass, tempered glass, plexiglass, UV stabilized polycarbonate
	Vane	Stainless steel, brass or tin plated
<b>Environmental</b>	Ambient operating temperatures	-30 to 140°F (-34 to 60°C)
	Resonance	The instrument and all its parts will not resonate at 120 CPM and multiples thereof
<b>Electrical</b>	Switch type	Snap action, SPST or SPDT
	Number of switches	Up to 2
	Switch rating (AC)	10 amp @ 125, 250 & 480 VAC
	Switch rating (DC)	1/2 Amp @ 125 VDC - resistive
		1/4 Amp @ 250 VDC - resistive
		1 1/2 Amp @ 48 VDC - resistive
Electrical connections	QUALITROL, Military, ANSI, permanently attached cable, flying leads	
Dielectric strength	1500 VAC for one minute	



### Don't see what you need?

QUALITROL regularly creates models with special customer requirements. Contact your local sales representative or QUALITROL Application Engineer to review your special requirements.

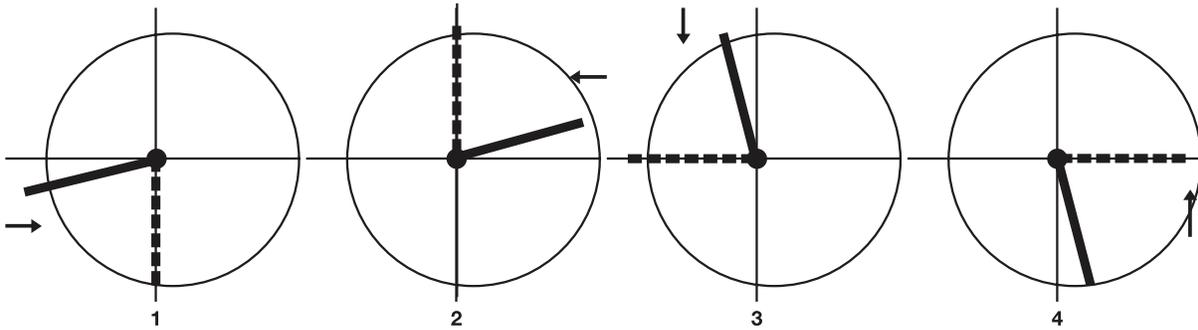
Email [info@qualitrolcorp.com](mailto:info@qualitrolcorp.com)

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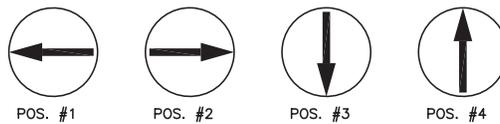
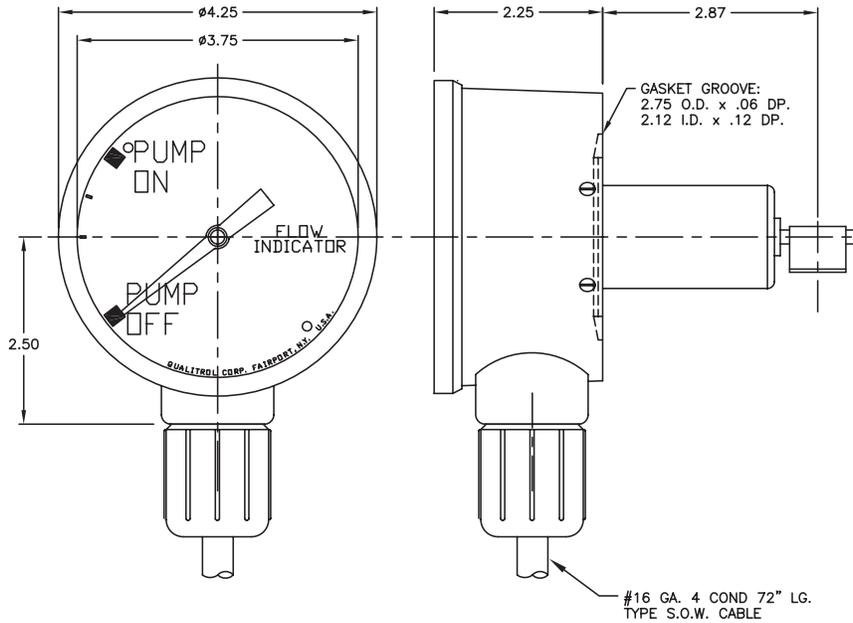
# QUALITROL® 092 flow indicators

## Vane orientation (viewed from rear of gauge)



Typical vane orientations — arrows indicate direction of flow  
 Solid vane shows “off” positions  
 Dotted vane shows “full flow” position

## QUALITROL 092



DIE STAMP ARROW ON FLANGE TO SHOW FLOW DIRECTION, PER SALES ORDER.

## QUALITROL® Field Services

To further improve reliability, QUALITROL provides comprehensive education and on-site commissioning services, maintenance contracts and technical support to all customers worldwide. Emergency response is available on all products and services.

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